	Application No.	Applicant(s)	
•	09/957,004	TIERLING, KOLLIN	
Notice of Allowability	Examiner	Art Unit	
	Nam V. Nguyen	2635	- 12 11
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to <u>3/15/06</u> .			
2.  The allowed claim(s) is/are <u>1-22 and 27-29</u> .			
3. The drawings filed on 3/8/05 are accepted by the Examiner.			
4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).  * Certified copies not received: ☐ Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must	e been received. e been received in Application No cuments have been received in this	national stage applicate complying with the records	quirements
<del>-</del>			
(a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			back) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal P. 6. Interview Summary Paper No./Mail Dat 7. Examiner's Amendn 8. Examiner's Stateme 9. Other	(PTO-413), e nent/Comment	·

This communication is in response to applicant's amendment which is filed March 15, 2006 in the application of Tierling for a "circuit and method for a switch matrix and switch sensing" filed September 19, 2001.

The proposed amendment has been entered and made of record. Claims 2, 6, 8, 13-14, 16, 19, 21 and 28 have been amended.

Claims 1-22 and 27-29 are pending.

Applicant's amendment and argument with respect to the pending claims 1-22 and 27-29, filed March 15, 2006, are persuasive. Therefore the examiner has withdrawn the rejections.

Claims 1-22 and 27-29 are allowed.

Referring to Claims 1 and 13, the following is an examiner's statement of reasons for allowance: The prior art of record fails to disclose or suggest wherein current amplified by the transistor in a column is sensed as a logic state indicative of a switch status of a switch within the column for a selected row.

Referring to Claim 7, the following is an examiner's statement of reasons for allowance:

The prior art of record fails to disclose or suggest wherein selection of a single row by a scan line

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returns column current level from the current sensing circuit to detect if a switch at an intersection of the single row and a column of the switch matrix is closed.

Referring to Claim 19, the following is an examiner's statement of reasons for allowance: The prior art of record fails to disclose or suggest wherein the output signal includes at least the threshold level only if a scanned switch at an intersection of the selected row and a scanned column of the switch matrix is selected, wherein the scanned column is coupled to the second bidirectional scan line; and each of the other bi-directional scan lines of the plurality of bidirectional scan lines is configured to conduct a second signal associated with a second logic state opposite the first logic state.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nam V Nguyen whose telephone number is 571-272-3061. The examiner can normally be reached on Mon-Fri, 8:00AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Horabik can be reached on 571-272-3068. The fax phone numbers for the

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organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nam Nguyen May 16, 2006

PRIMARY EXAMINER